

ACCESSION NR: AP4043787

exert a greater positive effect on fatigue resistance than agents introduced by rolling. This effect is linked to consumption of the agent by chemical reactions with the macroradicals of the rubber, induced by mechanical treatment. Orig. art. has: 2 figures.

ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promyshlennosti (Scientific Research Institute of the Tire Industry).

SUBMITTED: 02Oct63

ENCL: 0X2

SUB CODE: MT

NO REF SOV: 006

OTHER: 000

Card 2/4

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509020004-1

ACCESSION NR: AP4043787

ENCLOSURE: 01

Card 3/4

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509020004-1"

ACCESSION NR: AP4043787

ENCLOSURE: 02

Fig. 1. Fatigue resistance of unsaturated NK rubber after introduction of anti-fatigue agents (a - N-phenyl-N'-cyclohexyl-p-phenylenediamine; b - 2, 2, 4-trimethyl-6-ethoxydihydroquinoline; c - 2, 2'-methylene-bis-(4-methyl-6-tert. butylphenol)) by various methods: 1 - no anti-fatigue agent; 2 - 1% anti-fatigue agent added on the rollers; 3 - 1% anti-fatigue agent introduced by swelling; 4 - control sample not containing an anti-fatigue agent but allowed to swell in pure solvent. (Ordinate = thousands of cycles.)

Card 4/4

ACCESSION NR: AP3006755

S/0190/63/005/009/1339/1344

AUTHORS: Neyman, M. B.; Fedoseyeva, T. S.; Chubarova, G. V.; Buchachenko, A. L.; Lebedev, Ya. S.

TITLE: A study of the radicals in irradiated polyformaldehyde

SOURCE: Vyssokomolekulyarnye soyedineniya, v. 5, no. 9, 1963, 1339-1344

TOPIC TAGS: free radical, polyformaldehyde, electron paramagnetic resonance, chain polymer, gamma irradiation, polymer chain/ EPR 2 IKhF spectrometer

ABSTRACT: Structural and kinetic characteristics of free radicals in irradiated polyformaldehyde (PFA) were investigated. Powdered PFA was placed in soldered and evacuated ampules and was subjected to gamma radiation from a Co^{60} source. The study of electron paramagnetic resonance (EPR) radical spectra at low temperatures was conducted on PFA irradiated at 77K with doses of 5×10^6 and 1×10^7 roentgens. Spectra were recorded on the spectrometer EPR-2 IKhF. A special ampule was used for room temperature radiation experiments. The ampule was connected to vacuum equipment to allow varying gas concentrations around the specimens. Means were provided for controlling the ambient air temperature. Test results indicated: 1) two types

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ACCESSION NR: AP3006755

of radicals are present, the stable -O-CH-O- radical and short-lived radicals from polymer chain rupture; 2) for the stable radical, defrosting of internal motions of the molecular chains occurs at temperatures below -196K. The recombination reaction is described by a second-order equation with the constant rate of recombination given by $k = 10^{-7} \exp(-19\,000/RT) \text{ cm}^3/\text{sec}$. The value of the annihilation rate constant of radicals is higher in oxygen than in a vacuum and depends linearly upon the pressure: $k = 10^{-9} k_p^{-1} [\text{O}_2] \exp(-17\,000/RT) \text{ cm}^3/\text{sec}$. Orig. art. has: 4 formulas, 8 equations, and 6 figures.

ASSOCIATION: Institut khimicheskoy fiziki AN SSSR (Institute of Chemical Physics, AN SSSR)

SUBMITTED: 19Feb62

ENCL: 00

SUB CODE: GC

NO REP Sov: 008

OTHER: 003

Card 2/2

CHUBAROVA, G.V., kand. sel'skokhoz. nauk

Duration of the action of atrazine and simazine.
Zemledelie 26 no.6:61-63 Je '64. (MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov.

REZTSOVA, Ye.V.; CHUBAROVA, G.V.; SLONIMSKIY, G.L.

Mechanical-chemical phenomena observed in the fatigue of rubbers.
Vysokom.sosed. 6 no.8:1483-1486 Ag '64. (MIRA 17:10)

1. Nauchno-issledovatel'skiy institut shchinnoy promyshlennosti.

L 00748-66 EWT(m)/EPF(c)/EWP(j) RM

ACCESSION NR: AP5020965

UR/0190/65/007/008/1335/1338

AUTHOR: Reztsova, Ye. V.; Chubarova, G. V.

TITLE: Investigation of the degradation of rubbers using stable radicals

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 8, 1965, 1335-1338

TOPIC TAGS: natural rubber, synthetic rubber, rubber chemical, stable radical depolymerization

ABSTRACT: The degradation of polyisoprene rubbers by stable radicals in an inert medium was investigated. Stable radicals (oxidized 2, 2, 4-trimethyl-6-ethoxy - 1, 2-dihydroquinoline, Santoflex AW) were introduced into natural rubber or synthetic isoprene SKI-3 mixes to follow the reactivity of the molecules. EPR data showed that the stable radicals were spent during mechanical processing. This was attributed to the interaction of the radicals with the rubber macroradicals formed by rupture of the molecules. This interaction affects the nature of the rubber degradation and of the structuration process. Addition of a stable radical changes the direction of the secondary chemical reactions, inter-

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L 00748-66

ACCESSION NR: AP5020965

fering with the recombination of the rubber macroradicals and the formation of three dimensional structures, thus affecting the properties of crude and vulcanized rubbers. This work further confirmed the radical mechanism of polymer degradation. "The authors thank G. L. Slonimsk for assistance and advice in the work." Orig. art. has: 3 figures 44

ASSOCIATION: Nauchno-issledovatel'skiy institut shinoi promy*shlennosti
(Scientific Research Institute of the Tire Industry)

SUBMITTED: 03Sep64

ENCL: 00

SUB CODE: MT, GC

NR REF SOV: 006

QTHER: 001

Card 2/2

GORSHKOVA, G.N.; CHUBAROVA, M.A.; UKHIN, L.Yu.; SLADKOV, A.M.;
KASATOCHKIN, V.I.

Infrared and ultraviolet absorption spectra of substituted
diphenylacetylenes. Zhur. fiz. khim. 38 no.10:2485-2487
O '64. (MIRA 18:2)

1. Institut goryuchikh iskopayemykh AN SSSR.

GORSHKOVA, G.N.; CHUBAROVA, M.A.; SLADKOV, A.M.; UKHIN, L.Yu.; KASATOCHKIN, V.I.

Infrared and ultraviolet absorption spectra of substituted ethynylbenzenes and diethynylbenzenes. Zhur. fiz. khim. 38 no 10-2513-2516
0 '64.

Infrared and ultraviolet absorption spectra of substituted diphenylbutadiynes. Ibid.:2516-2520
(MIRA 18:2)

1. Institut goryuchikh iskopayemykh Institutu elementoorganicheskikh
soyedineniy AN SSSR.

SLADKOV, A.M.; UKHIN, L.Yu.; GORSHKOVA, G.N.; CHUBAROVA, M.A.; MAKHSUMOV, A.G.;
KASATOKHIN, V.I.

Synthesis and spectra of iodo and bromoacetylene derivatives.
(MIRA 18:4)
Zhur.org.khim. 1 no.3:415-421 Mr '65.

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

L 13032-66 ENT(m)/ENP(j)/T RM

ACC NR: AP5028581

SOURCE CODE: UR/0076/65/039/011/2695/2700 57
54AUTHOR: Gorshkova, G. N.; Chubarova, M. A.; Sladkov, A. H.; Luneva,
L. K.; Kasatochkin, V. I.ORG: Moscow Institute of Mineral Fuels (Moskovskiy institut goryuchikh
iskopayemykh) 74455TITLE: Spectra of elemental-organic monomers and polymers containing
double and triple bonds

SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 11, 1965, 2695-2700

TOPIC TAGS: IR spectrum, UV spectrum, polymer, organosilicon compound, organotin
compound, organogermanium compound, organomercury compound, organic phosphorus com-
poundABSTRACT: IR and UV spectra were studied for monomeric silicon, ger-
manium, mercury and phosphorus organic compounds and the IR spectra of
related polymeric silicon, germanium and tin organic compounds with C=C
and C≡C bonds. The IR spectra were taken using an IKS-14 spectrophoto-
meter in the 4000-400 cm⁻¹ region on specimens in the form of pellets
with KBr. The spectra of the three monomers containing phenylethyanyl
groups displayed C≡C valence vibration band. The position and the in-

UDC: 543.42+547

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L 13032-66

ACC NR: AP5028581

3

tensity of this band was somewhat dependent on the element: dimethyl-di-(phenylethyynyl)silane at 2159 cm^{-1} was very intense; ethyltri(phenylethyynyl)germanium at 2160 cm^{-1} was less intense and di(phenylethyynyl)mercury at 2139 cm^{-1} was of medium intensity. In diphenyldiethynyl silane, the $\text{C}\equiv\text{C}$ bond occurs in the $2030-2040\text{ cm}^{-1}$ region. This shows the effect of the benzene substituent on the position of the $\text{C}\equiv\text{C}$ bond. In the former three compounds the shift of the band toward the higher frequency region is caused by the shift of electrons from the nucleus to the $\text{C}\equiv\text{C}$ bond and thus strengthening of the bond. Ultraviolet spectra were measured on an SF-4 instrument using cyclohexane as the solvent. An attempt is made to find the relationship between the position and the intensity of the principal maxima on the molecular structure and the nature of the element. Orig. art. has: 3 figures, 1 table.

SUB CODE: 07,20/ SUBM DATE: 22Jul62/ ORIG REF: 002/ OTH REF: 000

DR
Card 2/2

CHUBAROVA, S. I.

"Study of the Propagation of Seismic Waves by the Method of Modeling." Cand
Phys-Math Sci, Physics Faculty, Moscow State U, Moscow, 1954. (KL, No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

SKLYARENKO, S.I.; RYSEV, A.P.; CHUBAROVA, T.Ya.

Electrolysis of an aqueous solution of mixtures of alkali metal chlorides by means of a moving-mercury cathode. Zhur. prikl. khim. 36 no.12:2781-2782 D'63. (MIRA 17:2)

SKLYARENKO, S.I.; RYSEV, A.P.; SMIRNOV, I.V.; CHUBAROVA, T.Ya.

Electrolysis of an aqueous solution of a mixture of potassium
and lithium chlorides with a moving mercury electrode. Zhur.
prikl. khim. 38 no.4:849-855 Ap '65. (MIRA 18:6)

7

21(1)

AUTHOR: Chubaryan, E.V. SOV/22-12-2-6/8

TITLE: Forbidden β - Transitions of First Order

PERIODICAL: Izvestiya Akademii nauk Armyanskoy SSR. Seriya fiziko-matematicheskikh nauk, 1959, Vol 12, Nr 2, pp 107-116 (USSR)

ABSTRACT: For the V and A variants of the β -interaction according to Feynmann and Gell - Mann the author calculates the angular correlation electron - neutrino, the longitudinal polarization of electrons in the case of $0 - 0$ - transitions and the longitudinal polarization of electrons for transitions with variation of the nuclear spin (light nuclei). The author thanks G.S. Saakyan, lecturer, for his assistance. There are 2 tables, and 3 references, 1 of which is Soviet, and 2 American.

ASSOCIATION: Yerevanskiy gosudarstvennyy universitet (Yerevan State University)

SUBMITTED: July 1, 1958

Card 1/1

ARUTYUNAYAN, V.M.; VARTANYAN, Yu.L.; CHUBARYAN, E.V.; SHAKHBAZYAN,
V.A.; AMATUNI, A.TS.; DZHRBASHYAN, V.A.; MELIK-BARKHUDAROV,
T.K.; TEVIKYAN, R.V.; HERESTETSKII, V.B., prof., red.;
SHTIBEN, R.A., red. izd-va; KAPLANYAN, M.A., tekhn. red.

[Problems in the theory of strong and weak interactions of
elementary particles; lectures] Voprosy teorii sil'nykh i
slabykh vzaimodeistvii elementarnykh chasits; lektsii. Pod
obshchey red. V.B.Berestetskogo. Erevan, Izd-vo Akad. nauk
Armianskoi SSR, 1962. 190 p. (MIRA 15:5)

1. Akademiya nauk Armyanskoy SSR. Fizicheskiy institut.
(Nuclear reactions)

40805

24.6610

S/022/62/015/004/003/003
I028/I228**AUTHORS:** Arutyunyan, V. M., and Chubaryan, E. V.**TITLE:** About the reaction $\pi^- + p \rightarrow n + e^+ + e^-$ **PERIODICAL:** Akademiya nauk Armyanskoi SSR. Izvestiya. Seriya fiziko-matematicheskikh nauk. v. 15, no. 4, 1962, 81-83**TEXT:** The cross-section of the considered reaction is expressed by the cross-section $\sigma_{ee}(w)$ of the process

$$\pi^- + \pi^+ \rightarrow e^- + e^+ \quad (4)$$

It is assumed that a $\pi - \pi$ resonance exists, which is allowed for phenomenologically by the introduction of the vector mesonic field $B_\mu^{(7)}(x)$. An expression is obtained for $\sigma_{ee}(w)$, and it is established that it has a resonance corresponding to the resonance of the $\pi - \pi$ system. There are 4 figures. The most important English-language reference reads as follows: Chew, G. F., F. E. Low. Unstable particles as Targets in Scattering Experiments. Phys. Rev. 113, 1640., 1958.

ASSOCIATION: Fizicheskiy institut AN Armyanskoy SSR, Erevanskii gosudarstvenny universitet (Institute of Physics of the Academy of Science of the Armenian SSR, Erevan state university)**SUBMITTED:** January 22, 1962

Card 1/1

L 16899-65 EWT(1)/EWT(m)/ENG(v)/EEC(t). Pe-5/Pae-2 DIAAP/SSD/BSD/SSD(b)/
AFWL/SSD(a)/AFETR/BSD(t) GH
ACCESSION NR: AR4045178 S/0269/64/000/007/0027

SOURCE: Ref. zh. Astronomiya. Otd. vy*p., Abs. 7. 51. 226

AUTHOR: Saakyan, G.S., Chubaryan, E.V.

TITLE: The theory of white dwarfs and the envelopes of baryon stars^{1/2}

CITED SOURCE: Soobshch. Byurakansk. observ., vy*p. 34, 1963, 99-133

TOPIC TAGS: astrophysics, white dwarf, baryon star, star envelope, nuclear density, free neutron, baryon gas, free electron

TRANSLATION: A study has been made of the properties of the degeneration of matter at densities less than nuclear as applied to the outer layers of baryon stars and white dwarfs. The authors give an approximate method for the analytical integration of differential equations for the envelope of a baryon star (phase 'Ae', consisting of free electrons and atomic nuclei and phase 'nAe' in which free neutrons are also present). The authors computed the parameters of envelopes for 8 configurations consisting of an ideal gas of baryons and for 10 configurations of a real baryon gas. In the case of central densities $\rho_c > 15 \cdot 10^{15} \text{ g/cm}^3$ the extent of the envelope is 1 km and its mass is $\sim 10^{-6} M_\odot$.

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I. 16899-65

ACCESSION NR: AR4045178

A study was made of the dependence of A/Z on the limiting energy of electrons. It is shown that light nuclei cannot exist for a long time at densities corresponding to the interiors of white dwarfs, even at absolute zero. The authors computed the parameters of 20 configurations for white dwarfs on the assumption of an equilibrium chemical composition (for $45 > X(0) > 0.07$). A study was also made of the dependence of the mass of the configuration on density at the center. It was found that the mass of a white dwarf increases with an increase in total density and attains the maximum value $M_{\max} = 1.27 M_{\odot}$ at $\rho = 2 \cdot 10^9 \text{ g/cm}^3$. Thereafter, the mass decreases and there is a smooth transition to the dependence $M(\rho_c)$ for baryon configurations. In earlier computations, in which no allowance was made for the influence of the process of reverse β -decay, that is, A/Z was assumed constant, the mass increased monotonically with density and attained a maximum value of $1.4 M_{\odot}$.

The displacement of the maximum mass of the white dwarf into the interior region was studied in the case of the presence of a central electron shell. The calculations were carried out for two different models of the interior. The calculations were carried out for two different models of the interior. Bibliography with 17 items. A. M. Goryainov.

A. EWEL. 00

Scard 2/2

CHUBARYAN, E.V.

Theory of the envelopes of baryon stars. Izv. AN Arm. SSR.
Ser. fiz.-mat. nauk 16 no.4:95-101 '63. (MIRA 16:8)

1. Fiziko-tehnicheskaya laboratoriya AN Armyanskoy SSR.

ACCESSION NR: AP4026381

S/0252/64/038/001/0017/0021

AUTHOR: Chubaryan, E. V.

TITLE: Some properties of substances at less-than-nuclear densities (Presented by corresponding member I. M. Kocharyan of the Academy of Sciences, Armenian SSR, on September 9, 1963)

SOURCE: AN ArmSSR. Doklady*, v. 38, no. 1, 1964, 17-21

TOPIC TAGS: degeneracy temperature, degenerate electron gas, tunneling effect, hydrogen atom, electron threshold

ABSTRACT: The properties of substances (less-than-nuclear densities) at temperatures considerably below the degeneracy temperature are studied. It is shown that at $\rho < 2.6 \times 10^{11} \text{ gm/cm}^3$ the substance consists of nuclei and degenerate electron gas and the ratio A/Z depends on the density (Z - nuclear charge). Next, the tunneling effect, whereby heavy particles are created from light particles, is discussed. For $\rho \approx 3 \times 10^3 \text{ gm/cm}^3$ ($x = p_e/m_e c = 0.145$) the hydrogen atoms disappear. He_2^4 disappears at $\rho \approx 7.2 \cdot 10^7$ ($x = 0.783$), B_5^{11} at $\rho \approx 3.95 \cdot 10^{10}$ ($x = 26.4$), and for electron threshold energy $E_e > 20 \text{ Mev}$ ($x > 40$) only nuclei with $A > 12$ can exist.

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ACCESSION NR: AP4026381

The potential energy model used for the tunneling effect above is represented by
 $V = \frac{3}{2} \frac{Z^2 e^2}{R} + \frac{Z^2 e^2}{2R^3} r^2$, where r - distance of nucleus from the cell, and R is
given by $R = \left(\frac{3Z^2}{4\pi} \right)^{1/3} a$. The author is grateful to G. S. Saakyan for suggesting

the problem and for his valuable comments, and to Yu. L. Vartanyan for his many observations." Orig. art. has: 10 formulas and 2 figures.

ASSOCIATION: TsIN Fiziko-tehnicheskaya laboratoriya Akademii nauk Armyanskoy SSR
(TsIN Physicotechnical Laboratory, Academy of Sciences, Armenian SSR)

SUBMITTED: 00

DATE ACQ: 16Apr64

ENCL: 00

SUB CODE: PH

NO REF SOV: 005

OTHER: 002

Card 2/2

CHUBARYAN, F.A.

Food digestibility and the state of nitrogen balance in
sheep fascioliasis. Izv. AN Arm. SSR. Biol. nauki 17
no.5:51-58 My '64. (MIRA 17:9)

1. Zoologicheskiy institut AN Armyanskoy SSR.

CHUBARYAN, F.A.

Change in some indices of protein metabolism in experimental sheep and rabbit fascioliasis and the normalizing role of vitamin A. Izv. AN Arm. SSR. Biol. nauki 18 no.2:57-67 F '65.
(MIRA 18:5)

1. Sektor parazitologii Zoologicheskogo instituta AN Armyanskoy SSR.

CHUBARYAN, Kh.A.

Results of laboratory infection of guinea pigs and white mice with
tick-borne relaps'ng fever by letting ticks of the genus Ornithodoros
feed on the animals. Zhur. eksp. i klin.med. 4 no.1:85-96 '64.
(MIRA 17;9)

1. Yerevanskaya gorodskaya dezinfektsionnaya stantsiya.

L 08552-67 EWT(1) JK

ACC NR: AP6032752

SOURCE CODE: UR/0427/66/019/009/0093/0100

AUTHOR: Chubaryan, Kh. A.

ORG: Yerevan Disinfection Station (Yerevanskaya gorodskaya desstansiya)

TITLE: Geographical distribution of carriers of relapsing tick-borne typhus in the Armenian SSR

SOURCE: Biologicheskiy zhurnal Armenii, v. 19, no. 9, 1966, 93-100

TOPIC TAGS: infective disease, rickettsial disease, rodent, typhus, disease vector, animal parasite

ABSTRACT: Natural foci of *Ornithodoros alactagalis*, *Ornithodoros verrucosus*, and *Ornithodoros Sartakovskiy* (one location only) ticks were identified in Armenia in the following rayons: Echmiadzinskiy, Ashtarakskiy, Artashatskiy, Oktemberianskiy, Vedinskiy, Megrinskiy, and Yekhgnadzorskiy. These areas have a dry, continental climate and are characterized by semiarid foothills with sparse vegetation inhabited by rodents. Ticks were found mostly in the burrows of jerboas and sand eels, but a variety of other hosts were also identified (badgers, birds, foxes, turtles, toads, snakes, lizards, and hedgehogs). Ticks were collected from April—November, when they are most accessible in the

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L 08552-67

ACC NR: AP6032752

burrows. Long-term studies (1933-1966) have shown that natural tick foci can last as long as 30 yr. Orig. art. has: 2 figures and 1 table. [W.A. 50]

SUB CODE: 06/ SUBM DATE: 14Mar66/ ORIG REF: 010

rs
Card 2/2

CHUBARYAN, T.G.

Sevan Department of the Botanical Garden (preliminary results of
activity during 1944-1948). Biul.Bot.sada [Briv.] no.7:27-47 '49.
(MLRA 9:8)

(Sevan region--Botanical gardens)

CHUBARYAN, T.G.

Results of growing vegetable and row crops in the Sevan Basin.
Biul.Bot.sada [Briv.] no.7:49-54 '49. (MLRA 9:8)
(Sevan region--Vegetables) (Sevan region--Field crops)

CHUBARYAN, T.G.

A case of transformation of Apulicum hard wheat into soft wheat.
Izv. Akad. Nauk SSSR. Biol. i sel'khoz. nauki. 3 no. 12: 1165-1167 '50.

(MLRA 9:8)

1. Botanicheskiy institut i botanicheskiy sad Akademii nauk Arm. SSR.
(Leninakan District--Wheat)

CHUBARYAN, T.G.

Some results of the introduction of cultivated plants in the Sevan
Department of the Botanical Garden of the Academy of Sciences of the
Armenian S.S.R. Biul.Bot.sada [Erev.] no.11:5-64 '51. (MLRA 9:8)
(Sevan region--Plants, Cultivated)

CHUBARYAN, T.G.

Spontaneous transformation of some local spring wheats into winter
wheats. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 6 no.3:7-23 '53.
(MIRA 9:8)

1. Botanicheskiy institut Akademii nauk Armyanskoy SSSR.
(SIVAN REGION--WHEAT)

CHUBARYAN, T.G.

A new stage in the activity of botanical gardens of the U.S.S.R.
Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 7 no.5:89-98 My '54.

(MLRA 9;8)

1. Botanicheskiy institut AN Arm. SSR.

(Botanical gardens) (Plant introduction)

CHUBARYAN, T.G.; MULKIDZHANYAN, Ya.I.

Wintering of tree and bush varieties in 1953/54 in Eriwan and
environs. Izv. AM Arm. SSR. Biol. i sel'khoz. nauki 7 no.12:35-47
D '54. (MLRA 9:8)

1. Botanicheskiy institut Akademii nauk Arm. SSR.
(Eriwan--Plants, Ornamental) (Plants--Frost resistance)

CHUBARYAN, T.G.

The bull pine (*Pinus ponderosa* Dougl.) in the Armenian S.S.R.
Biul.Bot.seda [Erev.] no.14:11-15 '54. (MLRA 9:8)
(Armenia--Pine)

L.G.J.
CHUBARYAN; AZARYAN, V.A.

Fall planting of tree and shrub cuttings in high altitude regions
of the Armenian S.S.R. Biul.Bot.sada [Erev.] no.14:25-31 '54.

(MLRA 9:8)

(Armenia--Plant propagation)

CHUBARYAN, T.G.; AZARYAN, V.A.

Outlook for lupine cultivation in the armenian S.S.R. Biul.Bot.
sada [Briv.] no.14:39-53 '54. (MLRA 9:8)
(Armenia--Lupine)

SHUBARYAN, T.G.; MULKIDZHANYAN, Ya.I.

Regeneration of afforested areas by natural seeding in the piedmont
semidesert. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 8 no.5:57-69
My '55. (MLRA 9:8)

1. Botanicheskiy institut AN Arm. SSR.
(Armenia--Reforestation)

CHUBARYAN, T.G.

Growth and development of certain conifer seedlings during continuous
illumination. Dokl. Akad. Nauk Arm. SSR 21 no. 3:137-143 '55. (MLRA 9:2)

I. Botanicheskiy institut Akademii nauk Armyanskoy SSSR. Predstavleno
G. En. Bunyatyanom.
(Plants, Effect of light on)

CHUBARYAN, T. G.

MAKHATADZE, Larseb Borisovich; CHUBARYAN, T.G., otvetstvennyy redaktor;
OVAKIMIAN, A.A., redaktor izdaniya; AZIZBEKIAN, L.A., tekhnicheskiy redaktor

[Oak forests of Armenia] Dubravy Armenii. Erevan, Izd-vo Akad.
nauk Armianskoi SSR, 1957. 326 p. (MIRA 10:9)
(Armenia--Forests and forestry)

USSR / Forestry. Biology and Typology of the Forest. K-1

Abs Jour: Ref Zhur-Biol., No 13, 1958, 58356

Author : Chubaryan, T. G. Palandzhyan, V. A.

Inst : AS ArmSSR

Title : The Hardiness of Certain Conifer Shoots to Direct Sunlight

Orig Pub: Byul, Botan. sada, AN ArmSSR, 1957, No 16, 29-43

Abstract: The relative resistance of sprouts and young seedlings of conifers to direct sunlight was studied in a semi-desert climate. Studies were conducted on 39 species from 12 genera originating in North America, Asia, Africa, and Europe. A table of data on the survival of sprouts and young seedlings of vari-

Card 1/2

USSR / Forestry. Biology and Typology of the Forest.

K-1

Abs Jour: Ref Zhur-Biol., No 13, 1953, 58356

ous conifers under direct sunlight is given. The presence of important specie and generic variations in conifers with regard to their resistance to the sunlight is shown. It particularly refers to polymorphic, geographically widespread genera like pine and fir. Mesophytic conifer species from humid oblasts suffer from direct isolation. Xerophytic species from dry warm oblasts are sunlight-resistant. They study of the anatomical structure of leaves of various species showed that conifers resistant to direct sunlight are characterized by the luminous structure of their leaves. Conifers which are not resistant to direct sunlight are distinguished by the shaded structure of their leaves. --

V. V. Protopenov

Card 2/2

Chubaryan T.G.

3-5

USSR/Forestry - Forest Plants.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10612

Author : Chubaryan, T.G.

Inst : Botanical Garden of the Academy of Sciences ArmSSR

Title : Exotic Coniferae in the ArmSSR

Orig Pub : Byul. Botan. sada, Akad Nauk ArmSSR, 1957, No 16, 73-99

Abstract : Data are given on the results of the introduction of coniferous species into the Republic. The basic centers of this work are mentioned, and their ecological conditions are discussed briefly. The results of introducing tree species from the following families are described: Ginkgoaceae Eng., Taxaceae Lindl., Pinaceae Lindl., Taxodiaceae F.W. Neger, Cipressaceae En. g. Mention is made of the fact that in the dry and treeless areas of Armenia the light-neededled and more xerophyte species, preeminently

Card 1/2

ADAMYANTS, G.I.; CHURARYAN, T.G.

In memory of G.D. Iaroshenko; on the fifth anniversary of his
death. Izv. AN Arm. SSR, Biol. i selkhoz. nauki 11 no.9:109-110
S '58. (MIRA 11:12)

(Iaroshenko, Georgii Denisovich, 1894-1953)

KAZARYAN, Vagan Osipovich; CHUBARYAN, T.G., otv.red.; SHTIBEN, R.A.,
red.izd-va; AZIZBEKIAN, L.A., tekhn.red.

[Physiological foundations of plant ontogeny] Fiziologicheskie
osnovy ontogeneza rastenii. Erevan, Izd-vo AN Armianskoi SSR,
1959. 425 p.

(MIRA 13:4)

(Ontogeny (Botany))

CHUBARYAN, T.G.

Some results and future goals of research at the Botanical
Garden of the Academy of Sciences of the Armenian S.S.R.
Izv.AN Arm.SSR.Biol.nauki 12 no.2:41-55 F '59. (MIRA 12:9)

1. Dolozheno na nauchnoy sessii otdeleniya biologicheskikh
nauk AN ArmSSR.
(ERIVAN--BOTANICAL GARDENS)

CHUBARYAN, T.G.; KEVORKOVA, L.V.

Effect of the carbonate factor and reactions of soil on the viability
and growth of seedlings of certain conifers. Dokl. AN Arm. SSR 31
no. 3:171-180 '60. (MIRA 13:12)

1. Botanicheskiy institut Akademii nauk Armyanskoy SSR. Pred-
stavlenno akademikom AN Armyanskoy SSR V.O. Gulkaryanom.
(Soil chemistry) (Coniferae)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509020004-1

MULKIDZHAZIAN, Ya.I.; CHUBARZAN, T.O.

250th anniversary of the Botanical Institute of the Academy
of Sciences of the U.S.S.R. Izv. AN Arm. SSR. Biol. nauki
18 no.11:116-117 N '65. (MIRA 19:1)

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509020004-1"

CHUBASOV, P.T.

Automatic switching-in of a quenching resistor in condenser batteries of electrical systems with voltages up to 1000 volts. Prom. energ. 18 no.12:55 D '63. (MIRA 17:1)

1. Anilino-krasochnyy zavod, g. Kemerovo.

OL'SHANSKIY; LYSENKO; NAZARENKO; AVAKYAN; VARUNTSYAN; GLUSHCHENKO; PREZENT;
VARENITSA; BALYURA; OZIRSKIY; TOMASHEVICH; SHAIN; TARKOVSKIY;
TRET'YAKOV; NOVIKOV; FEYGINSON; TELYATNIKOV; KHALIFMAN;
KONSTANTINOVA; SMIRNOV; VOINOV; STEPANOV; SHOSTAK; BALABAN;
CHUBASOVA; TKUCHUK

Timofei Ignat'evich Belash. Agrobiologiiia no. 3:447-448 My-Je '61.
(MIRA 14:5)
(Belash, Timofei Ignat'evich, 1901-1961)

CHUBATENKO, V.F., inzh.

Machine for flanging bottoms of containers. Suggested by V.F.Chubatenko.
Rats. i izobr. predl. v stroi. no.15:32-33 '60. (MIRR 13:9)

1. Kiyevskoye stroitel'no-montazhnoye upravleniye No.22 tresta Prom-
tekhmontazh-2 Ministerstva stroitel'stva USSR, Kiyev, Vladimirskaya,
25.

(Containers)

USSR / Forestry. Forest Crops.

K

Als Jour : Ref Zhur - Biologiya, No 22, 1958, No. 100194

Author : Chubatly, O. V.

Inst : Not given

Title : Using the Creeping Mountain Pine to Afforest Rocky Areas

Orig Pub : Lesn. zh.-vo, 1958, No 4, 76

Abstract : No abstract given

Card 1/1

#1116

END

CHUBATIY, O. V., Cand Agric Sci -- (diss) "The Pine Forest-Line of the Eastern Carpathians." Khar'kov, 1960; 20 pages. (Ministry of Agriculture Ukr SSR. Khar'kov Order of Labor Red Banner Agric Inst im V. V. Dokuchayev). 200 copies; price notgiven. (KL,28-60, 163)

MISHCHENKO, N.M., inzh.; BERDICHEVSKIY, Ye.Ye., inzh.; TERMINOSYAN, N.S., inzh.; KURILOV, A.I., inzh.; POLYAKOV, M.M., inzh.; DEMIDOVICH, Ye.A., inzh.; PINDYURIN, N.I., inzh.; Prinimali uchastiye: MALINOVSKIY, V.G.; MOLCHANOV, I.V.; MASHISHINA, M.P.; YEMCHENKO, Ye.K.; CHEREDNICHENKO, A.A.; STEPANOV, V.A.; SKACHKOV, L.N. [deceased]; KOSHMAN, A.I.; SHCHEKLIN, V.V.; CHUBATYUK, Ye.G.; KHITOVA, Ye.Ye.; KOROBOVA, G.Z.; ROTMISTROVSKIY, B.M.; VEYSEIN, A.D.

Increasing the efficiency of section tandem mills by the use of repeaters. Stal' 23 no.3:236-241 Mr '63. (MIRA 16:5)

1. Yenakiyevskiy metallurgicheskiy zavod.

(Rolling mills—Equipment and supplies)

CHUBATYY, O.V.

Mountain pine in the Carpathians. Priroda 49 no.5:80-82
My '60. (MIRA 13:5)
(Carpathian Mountains--Pine)

CHUBATYY, O.V.

The necessity of organizing the conservation of pine scrubs of the
Eastern Carpathians. Okhr. prir. i zapov. delo v SSSR no.5:79-85
'60. (MIRA 14:2)

1. Zakarpatskaya lesnaya opytnaya stantsiya.
(Carpathian Mountains--Pine)

MOLOTKOV, P.I.; KAPLUNOVSKIY, P.S.; GAVRUSEVICH, A.N.; MOLOTKOVA, I.I.;
PASTERNAK, P.S.; CHUBATYY, O.V.; POLYANOVSKIY, A.A., otv. za
vypusk; PANCHENKO, V., red.; LUCHKIV, M., tekhn. red.

[Mountain forest types] Tipy gornykh lesov. Uzhgorod, Zakarpat-
skoe obl. knizhno-gazetnoe izd-vo, 1961. 79 p. (MIRA 15:7)
(Transcarpathia--Forests and forestry)

VISHNEVSKAYA, A.; FROLOVA, V.; KURILOV, V.; CHUBCHENKO, F.; KHMELEVA, V.

When Ivan points at Foma. Okhr. truda i sots. strakh. 5 no.6:31-33 Je
'62. (MIRA 15:7)

1. Doverennyj vrach Orlovskogo oblastnogo soveta profsoyuzov (for Vishnevskaya).
2. Profsoyuznyj organizator grupp tsekh No.3 Kurakoy obuvnoy fabriki (for Frolova).
3. Korrespondent gazety "Kurskaya pravda" (for Chubchenko).
4. Spetsial'nyy korrespondent zhurnala "Okhrana truda i sotsial'noye strakhovaniye" (for Khmeleva).
(Kursk Province—Hospitals—Construction)

ACC NR: AT7001792

SOURCE CODE: UR/3119/66/000/004/0125/0132

AUTHOR: Shakhnovich, M. I.; Chubenko, A. I.

ORG: All-Union Scientific Research Institute for Single Crystals (Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov)

TITLE: Optical properties of LiF crystals with O₂ impurity

SOURCE: AN LatSSR. Institut fiziki. Radiatsionnaya fizika, no. 4, 1966. Ionnyye kristally (Ionic crystals), 125-132

TOPIC TAGS: lithium fluoride, optic property, crystal impurity, oxygen, absorption line, line width, luminescence

ABSTRACT: In view of the fact that oxygen is frequently contained in alkali-halide crystals grown in air, the authors carried out tests on crystals initially grown in vacuum, to which controlled amounts of oxygen-containing compounds were added. The optical measurements consisted of determining the transparency in the ultraviolet, visible, and infrared regions. The measurements showed that in the near ultraviolet and the visible regions no crystals, either pure or those with impurity, had absorption bands. All crystals had a band at 120 nm, which increased with increasing Li₂O concentration in the charge, and could be associated with the oxygen. An analysis of the absorption curves, corrected for various instrumental errors and obtained for samples of different thickness, reveals discrepancies between experiment and theory with respect to the half-width of the absorption line and can be related with the

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ACC NR: AT7001792

formation of anion vacancies by O²⁻ ions. A correlation was found to exits between the absorption coefficient at the maximum of the f bands and the absorption coefficient at 120 nm. This indicates that most vacancies in the crystals are due to the introduction of the oxygen. In addition to investigating the absorption spectra, the luminescence of crystals with oxygen impurity was also measured. Excitation at light close to 210 nm, where there are no absorption bands gave rise to luminescence with a maximum near 420 nm. The luminescence intensity increased greatly with increasing oxygen content, whereas none was observed in pure crystals. Although the results indicate that the oxygen is responsible for the luminescence, further study is necessary to determine the actual nature of the centers responsible for the luminescence. The authors thank I. V. Smushkov and L. M. Soyfer for continuous interest in the work and a discussion of the results. Orig. art. has: 3 figures, 4 formulas, and 1 table.

SUB CODE: 20/ SUBM DATE: 00/ OTH REF: 014

Card 2/2

CHUBENKO A. I.

BAYCHENKO, A.A.; MELIK-GAYKAZYAN, V.I.; LIVSHITS, G.L.; CHUBENKO, A.I.

Strengthening the flotation process by the feed of an emulsified
reagent. Ugol' 31 no.11:37-38 N '56. (MLRA 10:2)

(Flotation)

BRATSLAVSKIY, M.A.; DUGIN, Ye.V.; CHUBENKO, A.I.; NEDZEL'SKIY, N.R.;
BLUSHINSKIY, V.G.

Modernization of jigging machines in coal dressing plants.
Prom. energ. 17 no.11:9-10 N '62. (MIRA 15:12)
(Coal preparation plants)

BRATSLAVSKIY, M.A., inzh., laureat Gosudarstvennoy premii SSSR; CHUBENKO,
A.I., inzh.

Jigging of unclassified coal and the modernization of jigs.
Ugol' 39 no.1:31-36 Ja '64.

(MIRA 17:3)

1. Gosudarstvennyy institut po proyektirovaniyu shakht v yuzhnykh
rayonakh SSSR.

LJW(M)-65 EWT(m)/EPF(c)/EPF(n)-2/EPR/T/EWP(t)/EWF(b) CIA-RDP86-00513R000509020004-1
IJP(j) JD/JW/JG

ACCESSION NR: AP5007542

S/0368/65/002/001/0026/0031

AUTHOR: Soyfer, L. M.; Shakhnovich, M. I.; Chubenko, A. I.; Blank, A. B.

TITLE: Absorption in the vacuum ultraviolet of lithium fluoride crystals obtained by zone melting

SOURCE: Zhurnal prikladnoy spektroskopii, v. 2, no. 1, 1965, 26-31

TOPIC TAGS: lithium fluoride, zone melting, absorption spectrum, ultraviolet absorption, impurity effect

ABSTRACT: The purpose of the investigation is to facilitate purification of lithium fluoride by zone melting by comparing the absorption spectra and the contents of certain impurities (the amount of which can be determined by chemical analysis), to obtain information on the integral impurity contents to which the absorption spectrum is sensitive, and to determine the distribution coefficients of certain impurities. To this end, a comparison was made of optical properties of LiF crystals obtained by zone melting from salts of different materials and of different purity. The absorption was measured with an SP-58 vacuum monochromator in the wavelength range 1100--2500 Å. The method of determining the heavy-metal con-

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L 47051-65

ACCESSION NR: AP5007542

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tent was similar to that used by one of the authors elsewhere (Blank, ZhAKh v. 16, 719, 1961). The iodide content was determined photometrically by the iodine-starch reaction, and the chloride content was determined by a modified nephelometric method with silver nitrate. The distribution of the impurities along the ingot was determined by chemical and absorption-spectrum analysis. The variation of the transparency at definite points of the ingot with increasing number of zone passages was also studied. It is concluded that zone melting results in single-crystal lithium fluoride which is transparent to the vacuum ultraviolet region of the spectrum, with volume of several times 10 cm^3 . This method is very effective for ridding lithium fluoride of impurities responsible for absorption in the wavelengths region smaller than 2000 \AA (chlorine, oxygen, hydroxide). The effective distribution coefficient for the impurities of the heavy metals in the lithium fluoride is estimated to be $m \ll 1$ for manganese, $0.7 < m < 1$ for iron, and $m \approx 1$ for calcium and magnesium. The most suitable raw material for growing crystals that are transparent in the vacuum ultraviolet is found to be a salt synthesized from lithium nitrate and ammonium fluoride. "We thank I. V. Smushkov for continuous interest and a discussion of the results, and also L. S. Zolotovitskaya and R. P. Pantaler for performing some crystal analyses." Orig. art. has: 3 figures and 3 tables.

Card 2/3

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509020004-1

L 67051-65

ACCESSION NR: AP5007542

ASSOCIATION: None

SUBMITTED: 22JUL64

ENCL: 00

SUB CODE: OP, EC

MR REF Sov: 005

OTHER: 603

Am
Card 3/3

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509020004-1"

ACC NR: AR7004087 (N) SOURCE CODE: UR/0169/66/000/012/B056/B056

AUTHOR: Marchenko, A. S.; Ponomzova, P. M., Chubenko, M. A.

TITLE: Characteristics of time structure and utilization of some meteorological elements in the territory of Western Siberia

SOURCE: Ref. zh. Geofizika, Abs. 12B409

REF SOURCE: Sb. 3-ya Nauchno-tekhn. konferentsiya Novosib. fil. N.-i. in-ta aeroklimatol. Tezisy dokl. Novosibirsk, 1966, 20

TOPIC TAGS: meteorology, electronic computer, meteorologic observation, correlation function, climatology, eigenfunction / Western Siberia

ABSTRACT: Computer methods are described which are used to calculate the time correlating functions of various meteorological elements according to data covering a 25-year period, and obtained from several meteorological stations in the southern part of Western Siberia. The results are interpreted in the light of differences in the physical and geographic locations of the stations. A period long enough to insure stability of the enumerable correlation functions is determined by a gradual lengthen-

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UDC: 551.501.45:551.582.1(571.1)

ACC NR: AR7004087

ing of the sample periods over a number of years. Examples are given of the utilization of time correlative functions to calculate the estimates of accuracy of climatic characteristics (temperatures, wind pressure, relative humidity), and of the statistical time extrapolation of these meteorological elements. These elements were expanded according to eigenfunctions of the time correlative matrix, and the oscillations carrying the basic information load were separated. [Translation of abstract]

SUB CODE: 04, 12/

[GC]

Card 2/2

MILOVANOV, V.K., akad.; PARSHUTIN, G.V., doktor biol. nauk; SOKOLOVSKAYA, I.I., doktor biol. nauk; OZHIN, F.V.; TSITOVICH, Ye.V.; TRUBKIN, G.D., red.; CHUBENKO, N.S., red.; TSVETKOV, I.V., red.; YERZINA, Z.K., red.; MESHCHANKINA, A.B., red.; SAYTANIDI, L.D., tekhn. red.

[Album on the artificial insemination of livestock] Al'bum po iskusstvennomu osemeneniiu sel'skokhoziaistvennykh zhivotnykh. Moskva, Izd-vo M-va sel'.khoz. RSFSR, 1960. 134 p. (MIRA 14:10)

1. Russia (1917- R.S.F.S.R.) Glavnaya upravleniya plemennogo dela i plemsovkhozov.

(Artificial insemination) (Livestock)

MILOVANOV, V.K.; SOKOLOVSKAYA, I.I.; CHUBENKO, N.S.; TRUBKIN, G.D.:
TSVETKOV, I.V.; BAYEV, K.D., red.; LEVINA, L.G., tekhn. red.

[Operating methods of stations for the artificial insemination
of farm animals] Tekhnologija raboty stantsii po iskus-
stvennomu osemeneniju sel'skokhoziaistvennykh zhivotnykh.
Moskva, Izd-vo M-va sel'.khoz. RSFSR, 1961. 145 p.

(MIRA 15:2)

(Artificial insemination)

CHUBENKO, P.F., inzh.; SHCHUKIN, O.F., inzh.

Coal production costs in hydraulic mining and in mining with conventional methods. Ugol'.prom. no.1:74-76 Ja-F '62.

(MIRA 15:8)

1. Institut gornogo dela AN UkrSSR.
(Coal mines and mining--Costs)

SHCHUKIN, O.F.; CHUHENKO, P.F.

Determination of the distance between cutout stopes in
hydromechanical mining. Trudy Inst.gor.dela AN URSR no.11:17-21
'62. (MIRA 16:2)

(Hydraulic mining) 

ALEYNIKOV, A.A., kand. tekhn. nauk; CHUBENKO, P.F., gornyy inzh.; SMALIY,
V. Ye., gornyy inzh.

Technical and economic analysis of the conditions of the hyd-
raulic breaking of coal in thin seams. Ugol' 39 no.6:34-38 Ja'64
(MIRA 17:?)

1. Institut gornogo dela imeni M.M. Fedorova.

CHUBENKO, P.I.

Student research. Fiz. v shkole 23 no.3:71-72 My-Je '63.
1. l-ya shkola-internat, g. Nizhniy Tagil.

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509020004-1

CRUBENKO, S.S.

Correcting the layout of rods by nomograms. Kuz.-shtam. proizv.
3 no.9:16-21 S '61. (MIRA 14:9)
(Rolling (Metalwork))

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CIA-RDP86-00513R000509020004-1"

CHUBENKO, S.S., inzh.

Laying out forging blanks by means of nomograms. Mashinostroenie
no.6:27-29 N-D '62. (MIRA 16:2)

1. Donetskij nauchno-issledovatel'skiy ugol'nyy institut.
(Laying out (Machine-shop practice))

CHUBERKIS, B. M.

Dissertation: "The Effectiveness of Alkaline Treatment of Winter-Wheat Straw, Fed as Part of Mixed Rations to Highly Productive Cows." Cand Agr Sci, Inst of Animal Husbandry and Veterinary Sciences, Acad Sci Lithuanian SSR, Kaunas, 1954. (Referativnyy Zhurnal--Khimiya, Moscow, No 10, May 54)

SO: SUM 318, 23 Dec 1954

CHUBERKIS, B.M.

~~Effectiveness of including winter wheat straw treated with alkalies
in feeding highly productive cows compound rations. Trudy VNIK 3:
232-242 '56. (MLRA 10:4)~~
(Cows--Feeding and feeding stuffs) (Straw)

KOLOTOVA, N.N.; KUCHERENKO, Ye.M.; CHUBERKIS, T.P.

Indications and contraindications for *Rauwolfia serpentina* therapy
in hypertension. Sov.med., 23 no.10:112-115 O '59. (MIRA 13:2)

1. Iz kafedry gospital'noy terapii (zaveduyushchiy - doktor med.nauk
N.N. Kolotova) Vinnytskogo meditsinskogo instituta (direktor - dotsent
S.I. Korkhov).
(RAUWOLFIA therapy)

CHUBERKIS, T.P.; KUCHERENKO, Ye.M., kand.med.nauk

Forms of leucosis resembling tumors. Vrach.delo no.10:21-23 0 '60.
(MIRA 13:11)

1. Kafedra gospital'noy terapii (zav. - prof. N.N.Kolotova)
Vinnitskogo meditsinskogo instituta.
(LEUKEMIA)

KOLOTOVA, N.N.; KUCHERENKO, Ye.M.; CHUBERKIS, T.P.

Possibility of a leukemogenic effect of industrial poisons. Trudy Kiev.
nauch.-issl. inst. perel. krovi i neotlozh. khir. 3:243-247 '61.

(MIRA 17:10)

1. Kafedra gospital'noy terapii Vinnitskogo gosudarstvennogo medi-
tsinskogo instituta.

CHUBERKIS, T.P.; KUCHERENKO, Ye.M., kand.med.nauk; GRINSHPUN, O.Ya.

Changes in the ballistocardiogram in cancer of the internal organs.
Vrach. delo no.12:134 D '61. (MIHA 15:1)

1. Kafedra gospital'noy terapii (zaveduyushchiy - prof. N.N.Kolotova)
Vinnitskogo meditsinskogo instituta.
(BALLISTOCARDIOGRAPHY) (CANCER)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509020004-1

FIKS, I.G., inzh.; CHUBERKIS, V.P., inzh.

Regulating relay of the flow of coal pulp. Sbor. DonUGI
no.31:144-148 '63.
(MIRA 17:10)

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509020004-1"

SADOVYY, I.Ye.; CHUBIK, I.A.

Effect of mixing on the rate of glucose crystallization. Izv.vys.
ucheb.zav.pishch.tekh. no.4:90-94 '58. (MIRA 11:11)

I. Leningradskiy tekhnologicheskiy institut pishchevoy promysh-
lennosti, Kafedra tekhnologii konditerskogo proizvodstva.
(Glucose) (Crystallization)

CHUBIK, I.A.

Radiation-convection method of drying apple jelly. Izv.vys.ucheb.
zav.; pishch.tekh. no.4:78-81 '60. (MIRA 13:11)

1. Leningradskiy tekhnologicheskiy institut pishchevoy promyshlennosti.
Kafedra tekhnologii konditerskogo i makaronnogo proizvodstva.
(Apple--Drying)

CHUBIK, I.A.

Designing continuous radiation-convection dryers for the confectionery industry. Izv. vys. ucheb. zav.; pishch. tekhn. no.5:97-101 '61. (MIRA 15:1)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlennosti. Kafedra protsessov i apparatov.
(Confectionery--Equipment and supplies) (Drying apparatus--Food)

CHUBIK, I. A.

Kinetics of the drying of apple marmalade in blocks. Izv. vys.
ucheb. zav.; pishch. tekhn. no. 5:109-112 '62.
(MIRA 15:10)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy
promyshlennosti, kafedra protsessov i apparatov.

(Apple products—Drying)

CHUBIK, I.A.

Effect of the parameters of radiation-convection drying on the
drying intensity of molded apple paste. Izv.vys.ucheb.zav.;
pishch.tekh. no.5:130-132 '63. (MIRA 16:12)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy
promyshlennosti, kafedra protsessov i apparatov.

CHUBIK, Ivan Aleksandrovich; MASLOV, Anatoliy Mikhaylovich;
SMIRNOV, M.K., red.

[Manual on the thermophysical constants of food and semi-finished food products] Spravochnik po teplofizicheskim konstantam pishchevykh produktov i polufabrikatov. Moscow, Pishchevaya promyshlennost', 1965. 154 p.
(MIRA 18:8)

LOPATIN, N.I.; CHUBIKOV, B.V.

The "Sputnik" diesel ship with underwater wings. Biul.tekh.-ekon.-inform.Gos.nauch.-issl.inst.nauch. i tekhn.inform. no.8:77-78 '62.
(MIRA 15:7)
(Planing hulls)

L 17 1004-68 EWT(1)/EWT(m)/EPF(s)/EWP(w)/EWA(1)/EWP(r)/EPR/T/EWP(t)/EWP(k)/
EWP(l)/EWP(u)/EWP(v) Ps-4/Ps-4 LHF(1) RAB-12 BM KB NB EM
ACCESSION NR: AP5014682 UR/0210/65/000/003/0026/0030
629.125.8.001.2.002

AUTHOR: Chubikov, B. V. (Engineer)

TITLE: Aluminum extrusions in hydrofoil construction

SOURCE: Sudostroyeniye, no. 3, 1965, 26-30

TOPIC TAGS: hydrofoil craft, aluminum element, extruded shape, extruded panel, hydrofoil structure, structural element, extruded element

ABSTRACT: Aluminum extrusions were widely used in constructing the Komet, 'Vikhr', Sputnik, and other hydrofoils. New types of shapes were extruded mostly from AMg61 aluminum alloy [unidentified], containing ~6-7% Mg, which is easily weldable and has good corrosion resistivity and adequate specific strength, but which is more difficult to extrude than AMg6M alloy [unidentified, containing ~6-7% Mg], AMg3 alloy [the nearest US equivalent is the alloy 5056], and B92 alloy [aluminum alloy containing Mn - 0.8%; Mg - 3.75%; Zn - 2.75%; Ti - 0.20%]. To obtain a good extrusion of AMg61-alloy tees and beams.

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ACCESSION NR: AP5014682

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their permissible dimensions are given by ratios of height/web thickness ($h/t=40-44$ or $48-50$, for T's and I's), flange width/flange thickness ($b/\sigma=9-12$, for T's and I's), and $\sigma/t=1.3-1.6$ or $1.2-1.6$, respectively for T's and I's). For riveted joints between longitudinals and bulkheads, shapes with plate-covered ends were extruded, which provide watertightness and structural continuity. Equipotential butt-welded constructions were obtained by using end-reinforced panels fabricated from tubular extrusions 1.5-2.0 m in circumference and 4-6 m long (in series extrusion). Extruded panels were even used in the double-curvature hull ends of a 150-passenger hydrofoil. Tests on a welded structural member consisting of a panel with two keelsons and two frames revealed a nearly 20% higher strength than calculated. Panel construction increases the bearing strength of hydrofoils in comparison with riveted or welded constructions; this effects a weight reduction of 10-15%, which, in turn, increases the load capacity. Further advantages can be obtained by the use of waffle panels for panels of variable section. The minimum inner bending radius for AMg6 alloy panels, if bent with ribs inward, is 16-17 times the rib height. According to the author's analysis, the use of AMg61 alloy

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panels, fabricated from tubular extrusions, will be economical in hydrofoil construction if their cost does not exceed the semifinished material cost by more than 4-5 times. This analysis resulted from a comparison between extruded and welded panels used in hydrofoil construction. [GE]

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IE, MS

NO REF SOV: 002

OTHER: 000

ATD PRESS: 4023

Am
Card 3/3

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000509020004-1

CHUBIKOV, N.

Canvas pick-up attachment. Prof.-tekhn. obr. 18 no.8:16-19
Ag '61. (MIRA 14:9)
(Combines (Agricultural machinery))

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CIA-RDP86-00513R000509020004-1"

ZAKARAYA, P.P.; CHUBINASHVILI, G.N., deyvite!nyy chien.

Architectural monument in the city of Tskhakaia. Soob.AN Gruz.SSR 13 no.
8:503-510 '52. (MLRA 6:5)

1. Akademiya Nauk Gruzinskoy SSR. Gosudarstvennyy musey Gruzii im. akad.
S.N. Dzhanashia, Tbilisi (for Zakaraya). 2. Akademiya Nauk Gruzinskoy SSR
(Tskhakaya--Architecture) (for Chubinashvili).

CHUBINETS, N.F.

CHUBINETS, N.F.; SHIL'MAN, R.M.

Laboratory diagnosis of schizophrenia. Lab.delo 3 no.5:21-22 S-0 '57.
(MIRA 11:2)

1. Iz kafedry psichiatrii (sav. - prof. G.Yu.Malis) i kafedry mikro-
biologii (sav. - dots. I.I.Rybas) Chernovitskogo meditsinskogo
instituta i Chernovitskoy psichoneurologicheskoy bol'nitsy (glavnnyy
vrach N.F.Chubinets)

(SCHIZOPHRENIA)

USSR / Human and Animal Morphology (Normal and Pathological).
Nervous System. Central Nervous System.

S

Abs Jour : Ref Zhur - Biologiya, No 9, 1958, No. 40780

Author : Chubinidze, A. I.; Lyubarskaya, K. V.

Inst : Not given

Title : On the Clinic and Pathomorphology of Cerebral
Cysticercosis

Orig Pub : Vopr. neirokhirurgii, 1956, No 6, 38-40

Abstract : Four cases of cysticercosis of the brain are described.
In three cases a single cyst of the size of a small nut
was demonstrated in the area of the IV ventricle. In one
case multiple cysticercosis was present; seven cysts vary-
ing from the size of a pea to that of a small nut were
discovered and removed during the operation in the depth
of the cortical cerebral matter. During a repeated opera-
tion the cortex appeared studded with small cysts the

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